

XP-002222886

AN - 1997-149747 [14]

AP - JP19950200468 19950713

CPY - SHIS

DC - A96 B04 D21

FS - CPI

IC - A61K7/00 ; A61K7/48 ; A61K35/78 ; C12N9/99

MC - A12-V04C B04-A10 B14-D07C B14-N17A B14-R01 D08-B09A

M1 - [01] M423 M781 M903 P616 P815 P941 P943 Q254 Q262 V400 V406 V814

PA - (SHIS ) SHISEIDO CO LTD

PN - JP9025212 A 19970128 DW199714 A61K7/00 009pp

PR - JP19950200468 19950713

XA - C1997-047947

XIC - A61K-007/00 ; A61K-007/48 ; A61K-035/78 ; C12N-009/99

AB - J09025212 External dermal agent, esp. for whitening use and/or protease inhibitor, contains extract from plant belonging to Apocynaceae family Alycia genus, esp. Pulowaras (Alycia reindwartii B1.), prel.in 0.005-20.0wt.% content.

- USE - The agent inhibits melanin production, is useful as prophylactic and ameliorative to pigmentation after sun-burn, spot, freckle and chloasma, and has serine protease inhibitory activity. It is useful also for amelioration of contact dermatitis, psoriasis, pemphigus vulgaris, congenital varicella and other skin diseases e.g. chapping and irritation, and for haemostatic agent.

- In an example, Pulowaras bark (50 g) was extracted with ethanol at room temp. for 1 week to give 2.18 g extract. The extract was dissolve in DMSO (1%) followed by adjusting the concn. by dilution and tested on effect against melanin production and tyrosinase action inhibitory rate (%) by incubation with mouse B16 melanoma cells in Eagle MEM medium contg. 10 % FBS and theophylline (0.09 mg/ml) at 27 deg.C under 5% CO2 atmosphere for 3 days to give following results (Extract of - concn., evaluation: melanin production/tyrosinase action inhibitory rate (%)): Pulowaras -1/100,000, standard amount/no difference, 1/10,000, standard amount/74, 1/1,000, standard amount/75, and 1/100, white/70; and Schizonepeta amount/no difference, 1/1,000, standard amount/no difference, and 1/000, standard amount/55.(Dwg.0/0)

IW - EXTERNAL DERMAL AGENT CONTAIN PROTEASE INHIBIT CONTAIN EXTRACT PLANT BELONG FAMILY

IKW - EXTERNAL DERMAL AGENT CONTAIN PROTEASE INHIBIT CONTAIN EXTRACT PLANT BELONG FAMILY

NC - 001

OPD - 1995-07-13

ORD - 1997-01-28

PAW - (SHIS ) SHISEIDO CO LTD

TI - External dermal agent contg. e.g. protease inhibitor - contains extract from plant belonging to Apocynaceae family

A01 - [001] 018 : P0000 ;

- [002] 018 : ND01 ; Q9999 Q9165-R : Q9999 Q9176 Q9165 ; Q9999 Q8037 Q7967 ;

**BEST AVAILABLE COPY**